



City of San Diego
Development Services
Information and Application Services Division
1222 First Avenue MS - 301
San Diego, CA 92101-4153
(619) 236-6270

Water Meter Data Card

Plan File No.			New Service Sequence No.(s)									
1. Water Meter Address												
2. Building Address												
3. Owner/Tenant Name (Print)									Phone Number			
4. Max Length of Water System			5. No. of Building Stories			6. Flushometer Valve Fixtures			Yes <input type="checkbox"/> No <input type="checkbox"/>			
7. Matrix to Determine Meter Size and Water Demand:		Fixture Unit Multiplier		Fixtures Added			Fixtures Remaining or Relocated			Fixtures to be Removed		
Type of Fixture	Public	Private	Public	Private	Total	Public	Private	Total	Public	Private	Total	
Bathtub and/or shower	4	2										
Bidet	4	2										
Dental Unit or Dental Lavatory	1	-										
Dishwasher, commercial	4	-										
Drinking Fountain	1	-										
Emergency Shower/Eyewash	.5	-										
Hose Bibb - inside	5	3										
Hose bibb - outside	5	3										
Laundry tub or clothes washer	4	2										
Mobile Home	6	6										
Sink, bar or lavatory	2	1										
Sink, clinic flushing	10	-										
Sink, kitchen	4	2										
Sink, mop	4	2										
Sink, wash or circle spray	4	-										
Sink, other	4	2										
Sprinkler Heads for irrigation (full)	1	1										
Urinal (flush tank)	3	-										
Urinal (pedestal)	10	-										
Urinal (wall or stall)	5	-										
Water Closet (tank)	5	3										
Water Closet (flush valve)	10	6										
Other												
Other												
Fixture Unit Subtotal		New				Existing				Removed		
Fixture Unit Total		Fixture Unit =				Gallons Per Minute (GPM) =						
Other Water Requirements		Fixture Unit =				Gallons Per Minute (GPM) =						
Existing Water Requirements		Fixture Unit =				Gallons Per Minute (GPM) =						
Total Water Requirements		Fixture Unit =				Gallons Per Minute (GPM) =						
<p>I affirm that the information given is correct. The approval given for minimum meter size and maximum water capacity of water pipe are based solely on the information and the building plans. Any deviation during construction will require resubmission of corrected data for determination of adequacy of water pipe and meter sizes.</p> <p>Signature (Owner/Tenant or Agent) _____ Date Signed _____</p> <p style="text-align: center;">The portion below will be completed by the Development Services Department</p>												
Total fixture units for meter sizing				Total fixture units for capacity charges:				Water	Sewer			
Approved Meter Size				Water Supply Line Size								
Pressure Regulation Required? Yes <input type="checkbox"/> No <input type="checkbox"/>				Backflow Preventor Required? Yes <input type="checkbox"/> No <input type="checkbox"/>								
Development Services Department Approval By								Date				

This information is available in alternative format for persons with disabilities.
To request this information in alternative format, call (619) 236-7703 or (800) 735-2929 (TT).

Instructions for the completion and filing of a Water Meter Data Card

1. Water Meter Address

Often several buildings share one water meter. In this case the water meter address may be different than the permitting building address. Contact the Water Utilities Department at (619) 533-4100, to determine the address of existing meters. A new meter will require a new address. All addresses are assigned by Development Services.

2. Building Address

List the building address, if different from the meter address.

3. Owner/Tenant Name.

Provide the name and the phone number of the building owner or tenant as it should appear on the water bill.

4. Maximum Length of Water System.

Provide the maximum length of the water system, measured from the meter to the plumbing fixture furthest from the meter.

5. Number of Building Stories.

Provide the number of building stories.

6. Flushometer Valve Fixtures.

Indicate if flushometer valve fixtures are, or will be, used. This information is required to correctly size the water meter.

7. Matrix to Determine Meter Size and Water Demand.

Complete the columns of the matrix by supplying the quantity and type of fixtures being removed or added and any existing fixtures that will remain. Accuracy of the fixture unit count is necessary to determine the appropriate meter size. See Figure 1 below. The following describes each column:

Fixture Unit Multiplier

Each plumbing fixture is given a fixture unit value based from the Uniform Plumbing Code. Fixture units are used for water meter sizing purposes. The unit count for each fixture is determined by multiplying the number of each fixture type by the number in the multiplier column, depending on "Private" or "Public" use. Following is an explanation of private and public fixtures:

a. Private Fixtures

Private fixtures are fixtures used in residences or hotel rooms. Use the Private Fixture unit count for nonresidential buildings having 11 or fewer workers, provided the facilities are not available to the general public.

b. Public fixtures

Public fixtures are all fixtures which are not described as private. These include but are not limited to: nonresidential buildings with 12 or more users of the facility, restaurant kitchens (regardless of the number of workers), core restrooms in nonresidential buildings or laundry facilities that serve the general public or multifamily buildings. However, in most cases mop sinks and hose bibbs are designated private.

New Fixtures Added

In the "New Fixtures Added" column, list the number of fixtures being added, under the appropriate fixture type, in the private or public space. Multiply the number of each fixture type by the number in the fixture unit multiplier column and enter the sum in the "total" space. Continue until all new plumbing fixtures have been entered.

Note: plumbing fixtures that are being relocated only are not

considered new, even though a newly purchased fixture may be installed.

Fixtures Remaining or Relocated.

In the "Existing Fixtures Remaining or Relocated" column, list the number of fixtures that will remain or will be relocated, under the appropriate fixture type, in the private or public space. Multiply the number of each fixture type by the number in the fixture unit multiplier column and enter the sum in the "total" space. Continue until all existing plumbing fixtures have been entered.

Fixtures to be Removed.

In the "Fixtures to be Removed" column list the number of fixtures that are being removed, that will not be relocated or replaced, under the appropriate fixture type, in the private or public space. Multiply the number of each fixture type by the number in the fixture unit multiplier column and enter the sum in the "total" space. Continue until all plumbing fixtures being removed have been entered.

Note: plumbing fixtures that are being relocated only, are not considered removed.

Fixture Unit Subtotal

Once all added or existing plumbing fixtures have been entered on the matrix, and have been given fixture unit totals, add the fixture unit totals for the entire column and enter the amount in the Fixture Unit Subtotal space. Do the same for the Fixtures to be Removed column, although fixtures that are being removed will be given a negative value.

Other Water Requirements

This area is used for plumbing fixtures not listed or for items that cannot be given a fixture unit value. An example is the gallons per minute (gpm) requirements for process water (water that is used in industrial, manufacturing and commercial facilities for processing purposes). Process water includes car wash facilities, cooling towers, boilers, can wash, autoclaves, photo development equipment and any other non-fixture type water usage applications. (Do not include the GPM requirements for closed systems.)

Existing Water Requirements

Use this line for existing plumbing fixtures not listed on the matrix or for items such as cooling towers, autoclaves, boilers, etc. that use a gallons per minute method to determine water usage.

Total Water Requirements

On the Total Water Requirements line, add all fixture unit amounts in the New Fixtures Added subtotal, Existing Fixtures Remaining or Relocated subtotal and any fixture unit amounts from the Other or Existing Water Requirements. Then subtract the fixture unit amount from the Fixtures to be Removed subtotal and enter the sum in the Fixture Unit space.

Add or subtract all GPM figures in the Other or Existing Water Requirement lines and enter the sum in the Total Gallons Per Minute space.

Note: Sprinkler Heads

Add all $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and full irrigation sprinkler heads to determine the total number of full sprinkler heads. For example two $\frac{1}{4}$ heads and one $\frac{1}{2}$ head will equal one full sprinkler head.

FIGURE 1

7. Matrix to Determine Meter Size and Water Demand:	Fixture Unit Multiplier		Fixtures Added			Fixtures Remaining or Relocated			Fixtures to be Removed		
Type of Fixture	Public	Private	Public	Private	Total	Public	Private	Total	Public	Private	Total
Bathtub and/or shower	4	2	1		4						
	4	x	1	=	4						